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FIG. 1

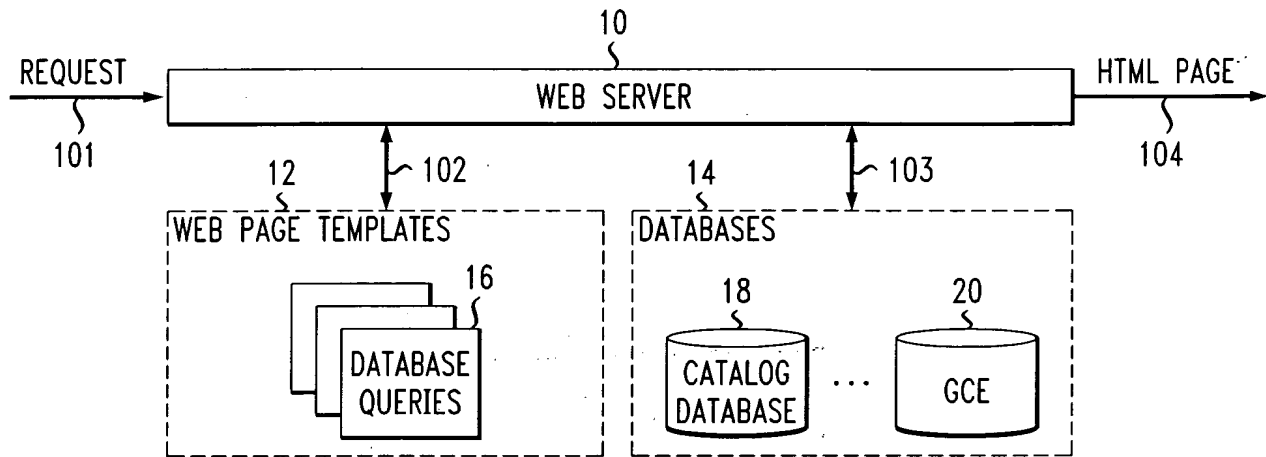
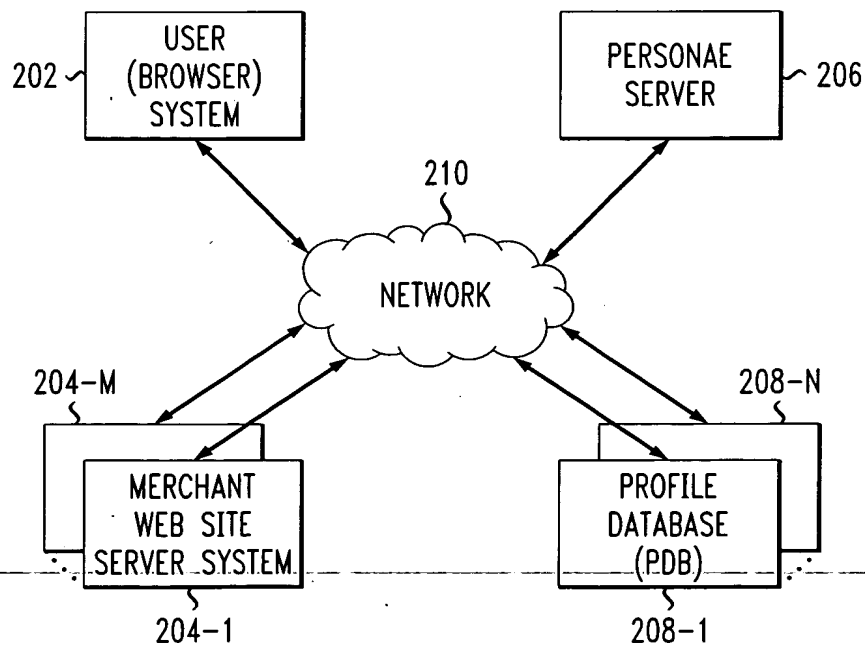


FIG. 2

200

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FIG. 3A

302

S

Persona Server

blmhfabian-pc.research.bell-labs.com

has requested a persona for you, in order to customize its web content to that persona.  
What would you like to do?

☐ Select a persona  
☐ Deny this request  
☐ Deny all persona requests until further notice

304 — ☐ Select a persona  
306 — ☐ Deny this request  
308 — ☐ Deny all persona requests until further notice

FIG. 3B

310

S

Persona Server

Please enter your account and password

314 — account:

316 — password:

312 — ☐ Create account for me

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FIG. 3C

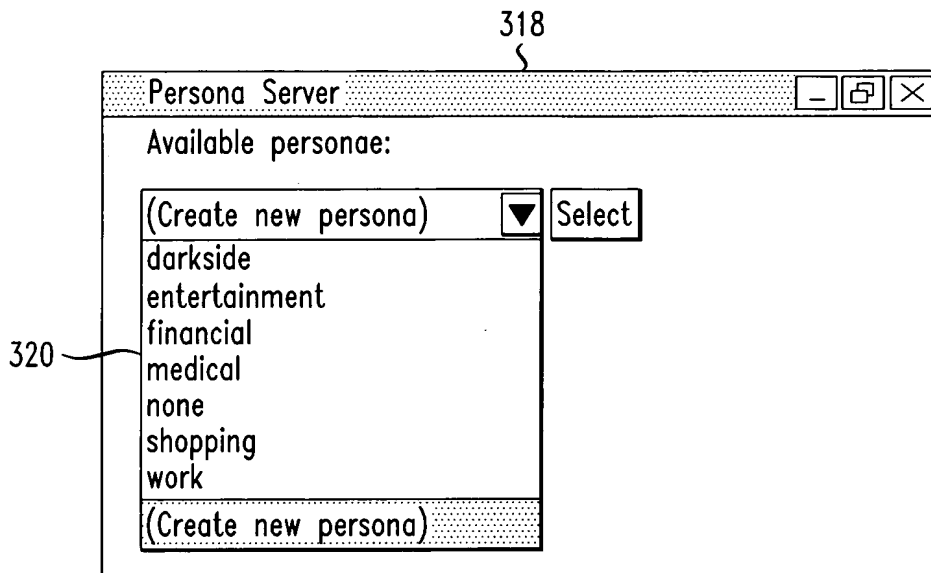
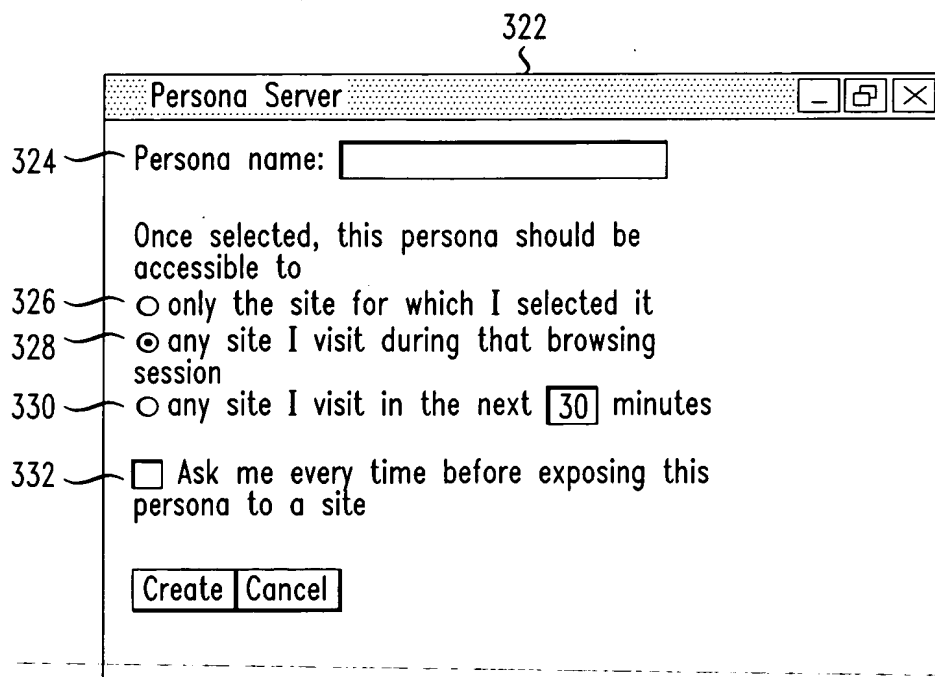
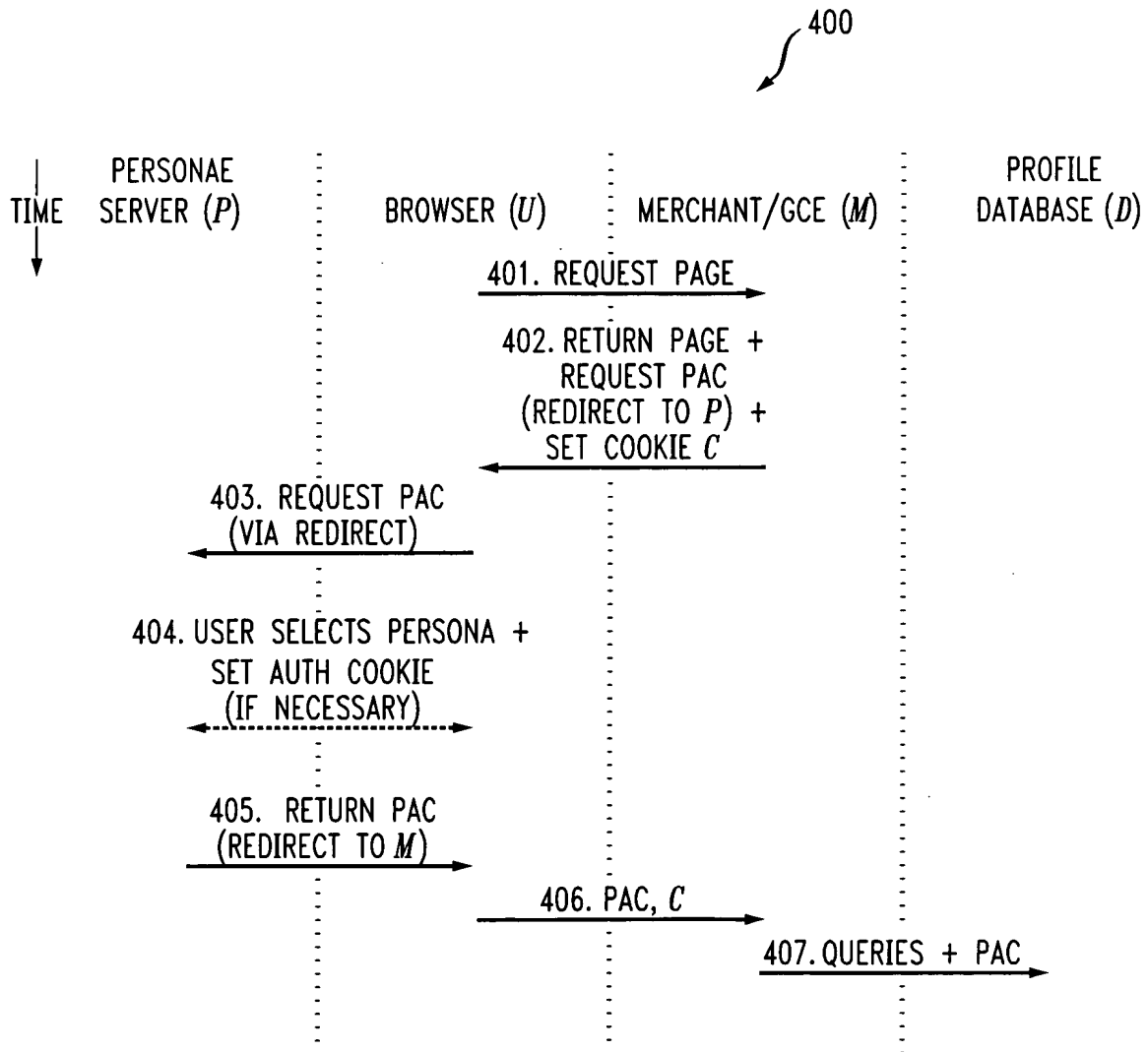


FIG. 3D



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FIG. 4



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FIG. 5

500

|     | FIELD  | TYPE                       |
|-----|--|----------------------------|
| 508 | INFO: EGYPT  | <i>STRING</i>              |
| 510 | STR:   | <i>INTEGER</i>             |
| 506 | TAINTED BY: $A_1 \dots A_n$                                      | <i>POINTERS TO RECORDS</i> |
| 502 | ATS: $\max(\text{STR}, \text{ATS}(A_1), \dots, \text{ATS}(A_n))$ | <i>INTEGER</i>             |
| 504 | CLASS[0]: (friends)  | <i>SET OF MERCHANTS</i>    |
|     | ⋮  | ⋮                          |
|     | CLASS[STR]: (enemies)  | <i>SET OF MERCHANTS</i>    |

FIG. 6A

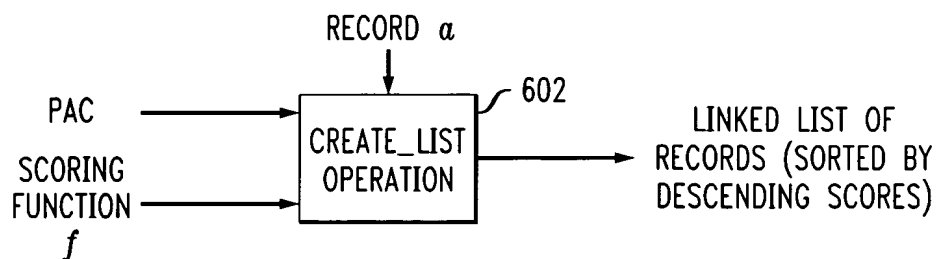
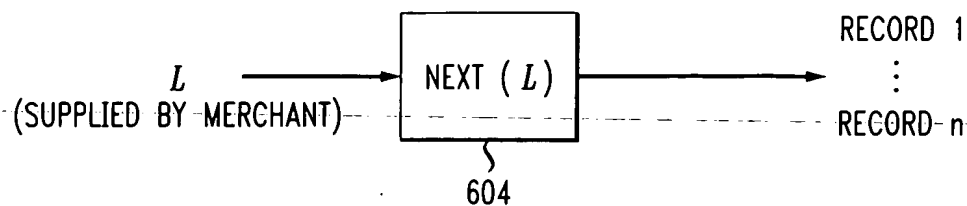


FIG. 6B



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**FIG. 7**

700

Merchant Group Creation

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Printer Security Stop

Administer group: noncompetitors for Genesis Sport  
Business Groups: diveshop

706

Add individual merchants to group

All merchants:

Ocean Diveshop  
L. L. Bean  
Amazon  
Genesis  
Travelocity

Add selected merchants

708

Add or delete merchants from group that:  
But not this type:

Are this type:

music  
men's clothing  
toys  
children's clothing  
travel

music  
men's clothing  
toys  
children's clothing  
travel

ADD OR DELETE

704

Delete selected merchants from group

Merchants in group:

L. L. Bean  
Amazon  
TechBooks  
BarnesAndNoble  
Travelocity

Delete selected merchants

702

Select collaboration affinity

strongest

0 1 2 3 4 weakest

Collaboration affinity

Document Done

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*FIG. 8*